

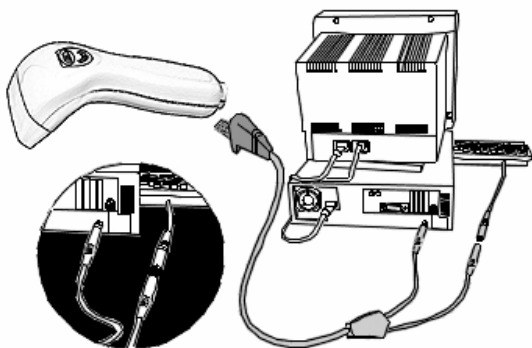


BARCODE READER

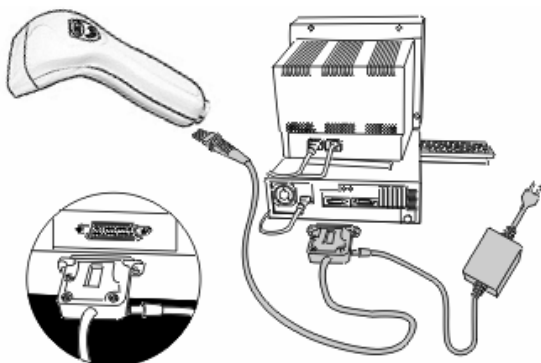
USER MANUAL

V 2.1 EN

INSTALLATION OF YOUR DEVICE

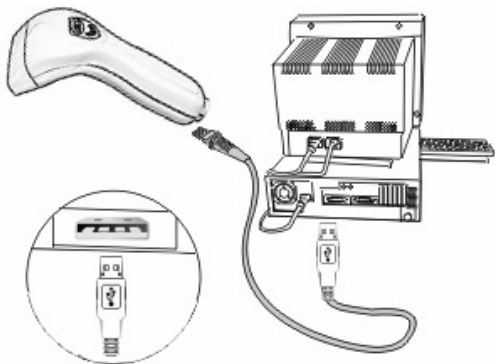


PS-2 Connection



RS-232 Connection (need 5Volts power supply)

INSTALLATION OF YOUR DEVICE



USB Connection

USING THIS MANUAL TO SETUP YOUR DEVICE

To set up all the necessary functions you can use the following barcode menus.

Using these barcodes, you should enter in program mode, scan the required command symbol then exit from program mode.

The general procedure is the following:

- 1) Scan the command symbol "PROGRAM"**
- 2) Scan one or more parameters**
- 3) Scan the command symbol "END"**

(note)

Code 2/5 symbologies have an unchecked reading mode, so that, you could set a fixed code length to avoid any reading errors.

Following is the correct procedure:

- 1) Scan the command symbol "PROGRAM"**
- 2) Scan the command symbol "FIXED LENGTH"**
- 3) Scan the command symbol "END"**

The first two scanned barcodes 2/5 will be stored as fixed length values.

The following procedure will reset the above selection:

- 1) Scan the command symbol "PROGRAM"**
- 2) Scan the command symbol "FIXED LENGTH OFF"**
- 3) Scan the command symbol "END"**

COMPLEX DEVICE SETTINGS

Set MIN/MAX barcode lengt:

- 1) Scan the command symbol "PROGRAM"**
- 2) Scan the symbol "SET MAX&MIN"**
- 3) Scan barcode symbology (i2/5, 39,... etc...)**
- 4) Scan the symbol "MM" or "NN" (max or min)**
- 5) Scan 2 digits from the ASCII table**
- 6) Scan the symbol "SET MAX&MIN"**
- 7) Scan the command symbol "END"**

Set PREAMBLE/POSTAMBLE

- 1) Scan the command symbol "PROGRAM"**
- 2) Scan the symbol "PREAMBLE/POSTAMBLE"**
- 3) Scan up to 16 characters from the ASCII table**
- 4) Scan the symbol "PREAMBLE/POSTAMBLE"**
- 5) Scan the command symbol "END"**

Set RS-232 to KEYBOARD WEDGE

- 1) Scan the command symbol "PROGRAM"**
- 2) Scan the symbol "RS-232 TO KB WEDGE"**
- 3) Scan the RS-232 parameters (bps, data, parity,...)**
- 4) Scan the RX modes**
 - a) COUNTER ENABLE(wait for a fixed number of characters to convert the received message)**
 - b) CODE ENABLE(wait for an ASCII character as record terminator to convert the received message)**
- 5a) Scan the command symbol "COUNTER SET", scan 3 digits from the ASCII table then scan once more the command symbol "CODE SET"**
- 5b) Scan the command symbol "CODE SET", scan the characters you want to set as RX message terminator from the ASCII table, then scan once more the command symbol "CODE SET".**
- 6) Scan the command symbol "END"**

COMPATIBLE PRODUCTS:

This manual could be used to setup the decoder section of the following EIA products:

- ***FORCE (CCD SCANNER)***
- ***ROCK (LASER SCANNER)***
- ***THUNDER (PORTABLE TERMINAL)***

- ***OTHER FUTURE MODELS...***

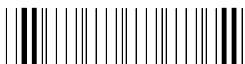
PARAMETERS SETTING
ENTER/EXIT SETUP



PROGRAM



DEFAULT



END



VER. CODE DISABLE



VER. CODE ENABLE

I/O INTERFACE

Device & Interface Selection



KEYBOARD WEDGE*



PC/AT



PS/2



RS-232 SERIAL



RS-232 TO KB-WEDGE



WAND EMULATION



OCIA



***TX Wand Emulation as
Code-39***



***TX Wand Emulation as as EAN.
Scan this code then scan 1,2 or 3
from the ASCII table to indicate
the mode you want to use:
AUTO, EAN-8 or EAN-13 then
scan this code once more.***

BARCODE SIMBOLOGY
Symbologies Selection



CODE-39 DISABLE



CODE-39 ENABLE*



FULL ASCII CODE-39*



STANDARD CODE-39



CODE-128 DISABLE



CODE-128 ENABLE



CODE-93 DISABLE



CODE-93 ENABLE



CODE-32 ENABLE



CODE-32 DISABLE



ISBN DISABLE



ISBN ENABLE

Symbology Setting (I 2/5)



I 2/5 DISABLE



I 2/5 ENABLE*



FIXED LENGTH ON*



FIXED LENGTH OFF



1st DIGIT SUPPRESS



LAST DIGIT SUPPRESS



NO DIGIT SUPPRESS*

Symbology Setting (CODE 128)



EAN-128 DISABLE*



EAN-128 ENABLE



EAN-128 SEPAR. SET



CHECK DIGIT DISABLE



CHECK DIGIT ENABLE*

Symbology Setting (S 2/5)



S 2/5 DISABLE



S 2/5 ENABLE*



FIXED LENGTH ON*



FIXED LENGTH OFF



ADD CHK-DIGIT



VERIFY CHK-DIGIT



DON'T ADD CHK-DIGIT

Symbology Setting (UPC-A)



UPC-A DISABLE



UPC-A ENABLE*



LEADING DIGIT SEND*



LDNG. DIGIT NOT SENT



ADD CHK-DIGIT*



DON'T ADD CHK-DIGIT

Symbology Setting (UPC-E)



UPC-E DISABLE



UPC-E ENABLE*



LEADING DIGIT SEND*



LDNG. DIGIT NOT SENT



ADD CHK-DIGIT*



DON'T ADD CHK-DIGIT



ZERO EXP. ENABLE



ZERO EXP. DISABLE*

Symbology Setting (EAN-8)



EAN-8 DISABLE



EAN-8 ENABLE*



LEADING DIGIT SEND*



LDNG. DIGIT NOT SENT



ADD CHK-DIGIT*



DON'T ADD CHK-DIGIT

Symbology Setting (EAN-13)



EAN-13 DISABLE



EAN-13 ENABLE*



LEADING DIGIT SEND*



LDNG. DIGIT NOT SENT



ADD CHK-DIGIT*



DON'T ADD CHK-DIGIT

Symbology Setting (EAN/UPC SUPPLEMENTAL)



2 DIGIT SUPPL. DISAB.*



2 DIGIT SUPPL. ENAB.



5 DIGIT SUPPL. DISAB.*



5 DIGIT SUPPL. ENAB.



SPACE SEPARATOR ON



SPACE SEPAR. OFF



TRANSMIT IF PRESENT



MUST BE PRESENT

Symbology Setting (CODABAR)



CODABAR DISABLE



CODABAR ENABLE*



START/STOP SEND*



START/STOP NOT SENT

Symbology Setting (MSI)



MSI DISABLE



MSI ENABLE*



DOUBLE MOD 10



MOD 11 PLUS MOD 10



SINGLE MOD 10



SEND



NOT SENT*

Symbology Setting (CODE-11)



CODE-11 DISABLE



CODE-11 ENABLE*



ONE CHECK DIGITS



TWO CHECK DIGITS



SEND



NOT SENT*

RS-232 SERIAL PARAMETERS

Baud Rate



300



1200



2400



4800



9600



19200*



38400

Parity



EVEN



ODD



MARK



SPACE



NONE

Data Bits



7 BITS*



8 BITS*

ACK/NACK protocol



OFF*



ON

RS-232 additional parameters



CTS/RTS DISABLE*



CTS/RTS ENABLE



RS-485 ENABLE



RS-485 DISABLE*



LRC ENABLE



LRC DISABLE*

RS-232 TO KBD-WEDGE PARAMETERS

Conversion modes and terminator status



COUNTER ENABLE*



**COUNTER SET
(01/99 DEFAULT-15)**



CODE ENABLE



**CODE SET
(ASCII CODE 01/7F)**



TERMINATOR PASS



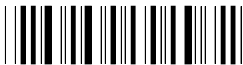
TERMINATOR CUT

DATA FORMAT

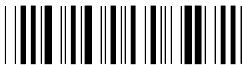
Terminators



ENTER (CR+LF)*



FIELD-EXIT (CR)



RETURN (LF)



NONE

Code-ID



NONE*



USER DEFINED



DEFAULT

Data Length



EXCLUDE*



INCLUDE

Preamble / Postamble



PREAMBLE



POSTAMBLE

Define Code-ID



DEFINE CODE-ID



CODE-39 FULL ASCII



CODE-39 STANDARD



EAN-13



UPC-A



EAN-8



UPC-E

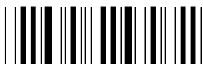


I 2/5

Define Code-ID



CODABAR



CODE-128



CODE-93



S 2/5



MSI



CODE-11

Custom Code Editing



SET EDIT MODE



SELECT FROM LEFT



SELECT FROM RIGHT

Scan SET EDIT MODE, Scan LEFT or RIGHT then scan 2 digits from the ASCII table to select the required length and scan LEFT or RIGHT once more.



***CUSTOM MODE ENAB.
(Enable above setting)***



***CUSTOM MODE DISAB.*
(Disable above setting)***



***FULL DATA EDIT DISAB
(Disable following setup)***



FULL DATA EDIT SETUP

Scan FULL DATA EDIT SETUP then scan 2 digits from the ASCII table to select the start position, scan the “.” Character and 2 more digits as the required string length, close this procedure by scanning once more the above barcode.

READER FUNCTIONS

Laser ON timeout



NONE*



SHORT



MEDIUM



LONG



SECURITY LEVEL
(Redudancy on decoding)

Scan the above barcode then scan 1, 2, 3 from the ASCII table to select how many attempt the decoder should do before a good reading, then scan thi barcode once more to close this procedure.

Beep Tone on decoding



NONE



LOW



MEDIUM*



HIGH

Reading mode



Switch mode*



Flash mode



Repeat mode

Intercharacter delay



*1 ms **



5 ms



10 ms



20 ms



50 ms



100 ms

Intermessage delay



NONE *



50 ms



200 ms



500 ms



1 sec



2 sec

KBD-WEDGE PARAMETERS

Function codes



OFF



ON*

Upper / Lower case



LOWER CASE



UPPER CASE*

Num-lock emulation



OFF*



ON

Keyboard language



USA*



U.K.



SWISS



SWEDISH



SPANISH



NORWEGIAN



ITALIAN



GERMAN



FRENCH

BARCODE LENGTH PARAMETER

Barcode Fixed length



SET MAX&MIN



CODE-39 (1-64)



I 2/5 (4-64)



S 2/5 (4-64)



CODE-128 (4-64)



MSI (4-16)



CODE-93 (4-64)



CODE-11 (4-64)



CODABAR (4-64)



MAX (MM)



MIN (NN)

ASCII TABLE



!



"



#



\$



%



&



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0



1



2



3



4

ASCII TABLE



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6



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9



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B



C



D



E



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G



H



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J

ASCII TABLE



ASCII TABLE

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b

C

d

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f

g

h

i

J

k

1

m

n

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p

q

r

S

t



u

V

ASCII TABLE



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x



y



z



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}



~



DEL



NUL



SOH



STX



ETX



EOT



ENQ



ACK



BEL



BS



HT



LF



VT



FF

ASCII TABLE



CR



SO



SI



DLE



DC1



DC2



DC3



DC4



NAK



SYN



ETB



CAN



EM



SUB



ESC



FS



GS



RS



US



SP

ASCII TABLE



F1



F2



F3



F4



F5



F6



F7



F8



F9



F10



F11



F12



HOME



END



CURSOR RIGHT



CURSOR LEFT



CURSOR UP



CURSOR DOWN



PAGE UP



PAGE DOWN



TAB



BACK TAB



ESC



ENTER



RIGHT CTRL

<http://www.barcodeeyes.com>